Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **Kinross Gold Corporation**
Suite 410, 700 W. Pender Street
Vancouver BC V6C 1G8 Canada

Submitted By: Keith Fowlow
Receiving Lab: Canada-Whitehorse
Received: August 15, 2011
Report Date: February 21, 2012

CERTIFICATE OF ANALYSIS WHI11000987.2

CLIENT JOB INFORMATION

Project: JP Ross
Shipment ID: JR00482011
P.O. Number
Number of Samples: 136

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	136	Dry at 60C			WHI
SS80	136	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	136	Saving all or part of Soil Reject			WHI
1DX2	136	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Version 2: Revised Sample ID's

Invoice To: Selene Holdings LP
Suite 410, 700 W. Pender Street
Vancouver BC V6C 1G8
Canada

CC: Keith Fowlow

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
	Unit	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
	MDL	0.5	0.1	0.01	0.5	1	1	0.1	0.01	0.1	0.1	1	0.1	0.01	1	0.01	0.01	1	0.01	1	0.1
CAG196542	Sediment	1.7	0.1	1.17	4.4	2	252	<0.1	0.28	0.1	6.5	34	17.1	1.96	4	0.04	0.16	11	0.44	254	1.1
CAG196543	Sediment	1.1	<0.1	1.12	4.6	2	233	<0.1	0.38	0.1	6.5	29	14.6	1.72	4	0.04	0.12	12	0.39	305	0.9
CAG196544	Sediment	2.3	0.1	1.27	5.1	2	303	0.1	0.39	0.2	8.2	48	23.6	2.09	4	0.03	0.15	11	0.60	270	1.1
CAG196545	Sediment	4.9	<0.1	1.14	5.7	2	413	<0.1	0.58	0.3	15.1	59	21.9	2.64	4	0.03	0.19	10	0.66	1647	1.3
CAG196546	Sediment	1.5	<0.1	1.01	4.7	1	330	0.1	0.29	0.1	9.9	56	19.5	2.12	4	0.01	0.20	7	0.62	405	1.2
CAG196547	Sediment	2.1	<0.1	1.25	4.7	2	278	0.1	0.33	0.1	7.9	27	15.9	1.98	4	0.04	0.10	14	0.38	183	0.6
CAG196548	Sediment	0.8	<0.1	0.96	5.1	1	225	<0.1	0.41	<0.1	7.3	36	16.2	2.06	3	0.03	0.13	10	0.42	337	0.6
CAG196549	Sediment	1.1	<0.1	1.06	8.6	2	333	<0.1	0.45	0.1	15.1	35	15.3	2.48	3	0.03	0.11	13	0.44	845	0.8
CAG196550	Sediment	335.1	0.2	0.98	4.7	1	136	<0.1	0.48	<0.1	10.1	9	5.4	2.91	3	0.03	0.27	22	0.44	1511	1.0
CAG196762	Sediment	2.3	<0.1	1.29	2.7	<1	183	<0.1	0.49	<0.1	10.0	22	8.5	2.31	4	0.02	0.27	9	0.75	648	1.5
CAG196763	Sediment	308.6	0.3	1.29	3.3	2	191	<0.1	0.48	<0.1	10.1	25	10.1	2.52	4	0.03	0.28	9	0.78	337	1.0
CAG196764	Sediment	4.7	<0.1	1.14	2.4	1	164	<0.1	0.51	<0.1	8.9	21	8.9	2.11	4	0.01	0.23	8	0.65	335	1.0
CAG196765	Sediment	4.4	<0.1	1.07	2.1	1	150	<0.1	0.53	<0.1	8.0	20	7.8	1.89	3	0.02	0.18	8	0.58	329	1.0
CAG196766	Sediment	6.8	0.1	1.31	4.6	1	242	0.1	0.58	0.2	11.6	41	20.9	2.51	5	0.02	0.17	14	0.72	471	1.9
CAG196767	Sediment	2.4	<0.1	0.96	2.9	<1	150	<0.1	0.51	<0.1	8.2	20	9.0	1.96	3	0.01	0.17	7	0.53	452	1.0
CAG196768	Sediment	1.8	<0.1	1.35	4.0	2	231	<0.1	0.52	0.1	10.9	27	13.4	2.48	4	0.03	0.21	11	0.73	644	1.3
CAG196769	Sediment	4.2	<0.1	1.25	3.2	1	220	<0.1	0.55	0.1	10.4	27	12.7	2.19	4	0.04	0.17	11	0.65	540	1.1
CAG196770	Sediment	18.4	<0.1	0.93	4.4	<1	297	<0.1	0.66	0.1	10.2	58	22.3	1.87	3	0.02	0.16	9	0.67	431	0.8
CAG196771	Sediment	2.3	<0.1	1.21	2.8	<1	195	<0.1	0.53	0.1	9.9	27	10.8	2.08	4	0.01	0.17	9	0.63	564	1.1
CAG196772	Sediment	2.9	<0.1	1.28	4.0	1	239	<0.1	0.61	0.2	11.5	31	14.1	2.54	4	0.03	0.19	12	0.66	809	1.4
CAG196773	Sediment	4.6	<0.1	1.16	4.5	2	367	<0.1	0.52	0.1	9.3	51	17.9	1.98	4	0.01	0.14	12	0.58	510	1.0
CAG196774	Sediment	2.0	<0.1	1.24	3.5	<1	342	<0.1	0.57	0.1	8.2	50	17.8	2.03	4	0.05	0.17	11	0.60	266	0.6
CAG196775	Sediment	1.1	<0.1	1.14	3.1	1	308	<0.1	0.55	0.1	7.6	50	14.6	1.84	4	0.02	0.18	10	0.61	270	0.5
CAG196776	Sediment	1.8	<0.1	1.31	3.8	1	368	<0.1	0.51	0.1	9.7	54	17.3	2.18	4	0.03	0.18	12	0.67	446	0.6
CAG196777	Sediment	2.8	0.1	1.36	3.3	<1	453	<0.1	0.56	0.2	10.8	52	25.3	2.17	5	0.04	0.17	11	0.64	420	0.9
CAG196778	Sediment	1.3	<0.1	1.13	7.5	1	473	<0.1	0.58	0.2	14.3	75	27.5	2.50	4	0.02	0.27	11	0.82	801	1.3
CAG196779	Sediment	5.0	<0.1	0.99	4.3	<1	359	<0.1	0.91	0.2	10.4	54	22.0	1.91	3	0.02	0.17	12	0.62	607	0.9
CAG196780	Sediment	1.5	<0.1	0.95	3.1	<1	100	<0.1	0.71	0.1	8.2	11	6.3	1.96	4	0.02	0.12	9	0.61	497	0.2
CAG196781	Sediment	2.8	<0.1	1.09	5.6	2	145	<0.1	1.18	0.2	7.6	21	11.3	2.03	3	0.04	0.06	9	0.62	222	0.2
CAG196782	Sediment	<0.5	<0.1	0.98	4.2	1	109	<0.1	0.88	0.1	6.8	13	7.5	1.67	3	0.04	0.06	9	0.53	290	0.2

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Zn
	Unit	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.1	0.001	0.1	0.05	0.1	0.1	0.5	1	0.2	0.1	0.001	0.1	0.1	2	0.1	1
CAG196542	Sediment	0.006	25.7	0.096	4.9	0.06	0.2	2.2	<0.5	13	<0.2	1.9	0.074	0.1	0.7	40	<0.1	48
CAG196543	Sediment	0.007	21.5	0.123	5.1	0.06	0.2	2.0	<0.5	16	<0.2	2.1	0.065	<0.1	0.7	41	0.3	47
CAG196544	Sediment	0.009	29.5	0.093	5.3	0.06	0.2	2.7	<0.5	19	<0.2	2.1	0.083	<0.1	0.8	53	0.2	53
CAG196545	Sediment	0.009	44.6	0.192	5.5	0.10	0.2	3.1	<0.5	19	<0.2	2.0	0.076	0.1	0.6	63	0.1	56
CAG196546	Sediment	0.007	35.8	0.084	3.4	0.06	0.2	2.5	<0.5	10	<0.2	1.8	0.073	0.1	0.4	58	<0.1	46
CAG196547	Sediment	0.011	19.2	0.083	7.4	0.07	0.2	2.9	<0.5	29	<0.2	2.7	0.052	0.1	0.9	37	<0.1	47
CAG196548	Sediment	0.009	20.8	0.118	4.6	0.06	0.2	2.4	<0.5	25	<0.2	2.1	0.057	<0.1	0.8	38	<0.1	37
CAG196549	Sediment	0.010	29.9	0.120	5.6	0.08	0.2	2.6	<0.5	31	<0.2	2.7	0.052	<0.1	0.8	35	0.1	45
CAG196550	Sediment	0.006	6.5	0.088	5.0	0.07	0.2	2.0	<0.5	28	<0.2	10.2	0.067	0.2	1.8	32	0.2	54
CAG196762	Sediment	0.013	12.2	0.095	3.9	0.07	0.1	2.5	<0.5	22	<0.2	2.9	0.079	0.1	0.7	46	0.1	46
CAG196763	Sediment	0.011	14.5	0.097	5.7	0.06	0.1	2.6	<0.5	22	<0.2	3.1	0.086	0.1	0.8	55	0.2	57
CAG196764	Sediment	0.010	12.9	0.112	4.5	0.07	<0.1	2.6	<0.5	19	<0.2	3.0	0.074	0.1	0.7	44	0.1	49
CAG196765	Sediment	0.011	11.8	0.132	4.3	0.09	<0.1	2.5	<0.5	20	<0.2	2.8	0.064	<0.1	0.7	40	0.2	42
CAG196766	Sediment	0.012	29.1	0.118	6.2	0.07	0.2	3.3	<0.5	23	<0.2	3.0	0.073	0.1	1.2	68	0.3	74
CAG196767	Sediment	0.011	12.4	0.116	4.4	0.08	0.1	2.3	<0.5	19	<0.2	2.6	0.059	<0.1	0.7	41	0.2	42
CAG196768	Sediment	0.015	18.7	0.087	5.1	0.09	0.2	2.9	<0.5	26	<0.2	3.1	0.081	0.1	0.9	48	0.2	55
CAG196769	Sediment	0.015	18.3	0.097	5.2	0.08	0.2	2.8	<0.5	26	<0.2	3.0	0.077	0.1	1.0	48	0.2	57
CAG196770	Sediment	0.010	43.1	0.221	3.8	0.08	0.2	2.7	<0.5	20	<0.2	2.3	0.063	<0.1	0.7	51	0.2	45
CAG196771	Sediment	0.011	17.8	0.125	4.8	0.07	0.1	2.5	<0.5	21	<0.2	2.9	0.066	<0.1	0.8	45	0.1	53
CAG196772	Sediment	0.014	19.9	0.112	7.1	0.10	0.2	3.0	<0.5	27	<0.2	3.3	0.075	0.1	1.4	53	0.2	57
CAG196773	Sediment	0.012	34.4	0.131	4.5	0.06	0.2	2.7	<0.5	22	<0.2	2.7	0.068	<0.1	0.6	52	0.4	49
CAG196774	Sediment	0.011	32.5	0.157	4.1	0.07	0.2	3.1	<0.5	20	<0.2	2.4	0.074	<0.1	0.6	53	0.2	50
CAG196775	Sediment	0.009	30.5	0.174	3.3	0.07	0.1	2.7	<0.5	18	<0.2	2.5	0.069	<0.1	0.5	45	0.2	49
CAG196776	Sediment	0.013	34.6	0.119	4.4	0.07	0.2	2.9	<0.5	23	<0.2	3.0	0.079	<0.1	0.7	54	0.2	55
CAG196777	Sediment	0.009	33.3	0.160	5.1	0.08	0.2	3.2	<0.5	22	<0.2	2.3	0.084	0.1	0.7	61	0.2	59
CAG196778	Sediment	0.009	51.3	0.190	4.0	0.09	0.3	3.5	0.7	21	<0.2	2.9	0.085	0.1	0.8	69	0.1	61
CAG196779	Sediment	0.010	44.2	0.353	4.5	0.12	0.3	2.9	0.6	25	<0.2	2.7	0.056	<0.1	0.8	48	0.1	48
CAG196780	Sediment	0.006	8.2	0.136	3.9	0.07	0.1	1.7	<0.5	25	<0.2	2.2	0.053	<0.1	0.3	33	<0.1	70
CAG196781	Sediment	0.014	14.3	0.085	5.2	0.16	0.2	2.2	<0.5	31	<0.2	1.8	0.055	<0.1	0.6	35	0.2	55
CAG196782	Sediment	0.011	10.1	0.126	5.0	0.12	0.2	2.0	<0.5	26	<0.2	2.1	0.053	<0.1	0.5	33	0.4	60

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	Analyte	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
	Unit	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
	MDL	0.5	0.1	0.01	0.5	1	1	0.1	0.01	0.1	0.1	1	0.1	0.01	1	0.01	0.01	1	0.01	1	0.1
CAG196783	Sediment	3.3	<0.1	0.69	3.5	<1	95	<0.1	3.38	0.5	6.1	16	7.2	1.57	2	0.02	0.05	7	0.61	248	0.3
CAG196784	Sediment	1.3	<0.1	0.88	3.9	1	109	<0.1	1.15	0.3	7.6	13	8.8	2.06	3	0.03	0.08	9	0.57	271	0.3
CAG196785	Sediment	1.0	<0.1	0.74	4.3	1	127	<0.1	3.41	0.4	6.8	13	9.8	1.68	3	0.03	0.06	8	0.45	368	0.3
CAG196786	Sediment	6.9	<0.1	0.96	5.2	3	186	0.1	1.22	0.3	8.3	19	13.8	2.26	3	0.06	0.07	11	0.52	224	0.3
CAG196787	Sediment	2.0	<0.1	1.33	7.7	2	182	<0.1	0.77	0.1	13.1	22	10.5	3.07	5	0.04	0.17	12	0.83	685	0.6
CAG196788	Sediment	1.2	<0.1	0.72	5.2	1	259	<0.1	2.12	0.3	8.8	15	8.5	1.98	2	0.02	0.07	7	0.90	1059	0.4
CAG196789	Sediment	2.0	<0.1	0.92	5.2	2	251	0.1	1.19	0.4	8.8	19	15.1	2.01	3	0.03	0.06	9	0.63	727	0.5
CAG196790	Sediment	1.7	<0.1	1.38	6.7	<1	147	<0.1	0.75	0.2	14.1	27	10.8	3.11	4	0.02	0.22	7	0.87	540	0.6
CAG196791	Sediment	3.0	<0.1	0.93	6.0	2	262	<0.1	1.53	0.4	10.0	18	16.7	2.10	3	0.03	0.06	9	0.67	997	0.4
CAG196792	Sediment	79.0	<0.1	0.81	4.9	1	226	<0.1	1.31	0.3	8.3	17	11.7	1.87	2	0.03	0.05	8	0.63	731	0.4
CAG196793	Sediment	10.0	<0.1	1.23	5.5	<1	200	<0.1	0.55	0.2	11.6	21	11.6	2.88	4	0.04	0.17	11	0.66	564	0.8
CAG196794	Sediment	3.0	<0.1	1.01	5.3	1	223	<0.1	1.35	0.2	10.3	20	10.7	2.34	3	0.03	0.11	8	0.79	813	0.6
CAG196795	Sediment	8.9	<0.1	1.22	7.6	<1	331	0.1	0.72	0.2	11.6	33	18.7	2.82	4	0.01	0.12	12	0.65	525	0.8
CAG196796	Sediment	7.8	<0.1	0.98	4.8	1	226	<0.1	1.09	0.3	9.7	22	12.9	2.04	3	0.04	0.07	10	0.65	606	0.5
CAG196797	Sediment	<0.5	<0.1	0.94	4.1	<1	168	<0.1	0.80	0.2	8.5	21	12.1	2.07	3	0.02	0.07	11	0.58	383	0.3
CAG196798	Sediment	10.0	<0.1	1.37	4.5	<1	315	<0.1	0.74	0.2	12.8	56	21.5	2.96	5	0.02	0.22	13	0.87	659	1.1
CAG196799	Sediment	1.6	<0.1	1.08	3.9	<1	191	<0.1	0.62	0.1	8.4	31	12.6	2.21	4	0.03	0.11	11	0.58	338	0.5
CAG196800	Sediment	2.8	<0.1	1.10	3.5	<1	172	<0.1	0.59	0.1	8.7	27	10.7	2.04	3	<0.01	0.11	9	0.57	678	0.6
CAG196801	Sediment	17.0	<0.1	1.34	3.4	<1	113	<0.1	0.44	0.1	12.6	7	5.6	2.97	5	0.06	0.43	20	0.61	1221	1.5
CAG196802	Sediment	11.4	<0.1	1.03	4.6	<1	126	<0.1	0.58	0.2	8.6	21	11.4	2.29	4	0.02	0.23	18	0.53	466	0.8
CAG196803	Sediment	5.8	<0.1	1.01	3.8	<1	123	<0.1	0.66	0.3	9.8	37	13.9	1.75	3	0.03	0.06	9	0.47	1523	1.2
CAG196804	Sediment	<0.5	<0.1	0.82	3.1	<1	84	<0.1	0.38	<0.1	5.5	12	6.6	1.29	3	0.02	0.11	6	0.31	209	0.3
CAG196805	Sediment	10.3	<0.1	0.86	1.4	<1	112	<0.1	0.60	<0.1	6.7	25	8.2	1.13	3	<0.01	0.04	9	0.36	208	0.2
CAG196806	Sediment	1.0	<0.1	1.08	2.9	<1	158	<0.1	0.60	0.2	9.3	31	12.2	1.88	4	0.03	0.14	10	0.57	611	0.6
CAG196807	Sediment	2.5	<0.1	0.91	3.0	<1	144	<0.1	0.60	0.1	8.7	27	13.2	1.55	3	0.02	0.08	9	0.40	327	0.4
CAG196808	Sediment	<0.5	<0.1	0.92	3.3	<1	148	<0.1	0.49	0.1	8.7	34	15.8	1.68	3	0.02	0.10	7	0.47	389	0.7
CAG196809	Sediment	<0.5	0.2	1.62	4.9	<1	460	<0.1	0.51	0.1	12.0	54	33.1	2.74	6	0.01	0.28	14	0.82	426	1.8
CAG196810	Sediment	2.0	<0.1	1.37	4.9	<1	318	<0.1	0.51	0.2	12.2	53	27.0	2.57	5	0.02	0.23	10	0.76	512	1.5
CAG196811	Sediment	1.7	<0.1	1.11	3.3	<1	234	<0.1	0.52	0.1	10.1	42	19.0	1.95	4	0.01	0.15	9	0.59	383	1.0
CAG196812	Sediment	2.1	0.1	1.20	2.5	<1	232	<0.1	0.55	0.1	11.7	38	19.7	1.96	4	0.03	0.12	12	0.55	349	0.8

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Suite 410, 700 W. Pender Street
Vancouver BC V6C 1G8 Canada

Project: JP Ross
Report Date: February 21, 2012

CERTIFICATE OF ANALYSIS WHI11000987.2

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Zn
	Unit	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.1	0.001	0.1	0.05	0.1	0.1	0.5	1	0.2	0.1	0.001	0.1	0.1	2	0.1	1
CAG196783	Sediment	0.006	13.5	0.176	3.4	0.20	0.2	1.5	<0.5	40	<0.2	1.6	0.035	<0.1	0.4	34	<0.1	68
CAG196784	Sediment	0.008	11.1	0.164	4.5	0.16	0.2	2.1	<0.5	29	<0.2	2.0	0.053	<0.1	0.4	42	0.2	75
CAG196785	Sediment	0.008	11.7	0.108	3.9	0.18	0.3	1.8	0.8	36	<0.2	1.5	0.039	<0.1	0.5	30	0.2	57
CAG196786	Sediment	0.016	15.6	0.111	5.3	0.21	0.3	2.5	2.1	46	<0.2	2.4	0.055	<0.1	1.4	41	0.5	61
CAG196787	Sediment	0.014	15.3	0.101	5.8	0.09	0.3	3.0	<0.5	24	<0.2	4.3	0.067	<0.1	0.6	53	0.3	66
CAG196788	Sediment	0.010	13.1	0.098	4.2	0.17	0.2	1.8	<0.5	37	<0.2	2.0	0.036	<0.1	0.5	30	<0.1	48
CAG196789	Sediment	0.016	18.4	0.085	5.3	<0.05	0.4	2.2	<0.5	36	<0.2	2.4	0.044	<0.1	0.5	39	0.2	63
CAG196790	Sediment	0.014	16.3	0.097	5.1	<0.05	0.2	2.6	<0.5	35	<0.2	2.5	0.064	<0.1	0.4	57	0.1	57
CAG196791	Sediment	0.015	18.9	0.081	5.5	<0.05	0.3	2.4	0.6	41	<0.2	2.2	0.043	<0.1	0.5	39	0.2	60
CAG196792	Sediment	0.012	14.8	0.091	4.3	<0.05	0.2	2.0	<0.5	31	<0.2	2.2	0.036	<0.1	0.5	37	0.3	51
CAG196793	Sediment	0.012	16.1	0.108	7.0	<0.05	0.2	2.9	<0.5	21	<0.2	4.0	0.057	<0.1	0.6	52	0.4	64
CAG196794	Sediment	0.012	15.0	0.102	4.8	<0.05	0.2	2.1	<0.5	33	<0.2	2.6	0.045	<0.1	0.5	40	0.2	58
CAG196795	Sediment	0.013	25.5	0.104	8.7	<0.05	0.3	3.2	<0.5	28	<0.2	3.3	0.057	<0.1	0.7	56	0.4	77
CAG196796	Sediment	0.016	19.7	0.092	4.9	<0.05	0.3	2.3	<0.5	34	<0.2	2.7	0.049	<0.1	0.5	39	0.3	61
CAG196797	Sediment	0.015	16.3	0.110	5.5	<0.05	0.3	2.2	<0.5	35	<0.2	3.5	0.057	<0.1	0.6	43	0.4	54
CAG196798	Sediment	0.012	37.9	0.128	6.4	<0.05	0.2	3.8	<0.5	35	<0.2	3.8	0.063	0.1	0.7	61	0.2	75
CAG196799	Sediment	0.011	19.0	0.117	5.0	<0.05	0.2	2.7	<0.5	27	<0.2	3.1	0.052	<0.1	0.6	46	0.5	54
CAG196800	Sediment	0.013	17.2	0.137	4.3	<0.05	0.1	2.6	<0.5	25	<0.2	2.8	0.053	<0.1	0.5	45	0.3	47
CAG196801	Sediment	0.005	5.4	0.085	5.7	<0.05	0.1	2.4	<0.5	20	<0.2	9.2	0.096	0.3	1.9	46	0.2	70
CAG196802	Sediment	0.010	14.7	0.073	5.6	<0.05	0.2	2.4	<0.5	28	<0.2	6.7	0.057	<0.1	1.2	41	0.2	52
CAG196803	Sediment	0.012	22.2	0.154	6.9	<0.05	0.1	3.1	<0.5	23	<0.2	2.6	0.045	<0.1	0.6	45	0.1	43
CAG196804	Sediment	0.011	6.3	0.082	2.4	<0.05	<0.1	2.2	<0.5	14	<0.2	1.7	0.043	<0.1	0.6	30	0.2	26
CAG196805	Sediment	0.010	13.5	0.136	3.3	<0.05	<0.1	2.4	<0.5	22	<0.2	2.2	0.034	<0.1	0.5	28	0.3	33
CAG196806	Sediment	0.012	18.1	0.149	2.9	<0.05	<0.1	2.7	<0.5	24	<0.2	2.7	0.061	<0.1	0.7	38	0.1	45
CAG196807	Sediment	0.011	19.3	0.139	2.8	<0.05	<0.1	2.5	<0.5	20	<0.2	2.1	0.046	<0.1	0.6	36	0.2	39
CAG196808	Sediment	0.012	23.0	0.128	2.5	<0.05	<0.1	2.3	<0.5	16	<0.2	1.8	0.051	<0.1	0.4	43	0.1	41
CAG196809	Sediment	0.010	36.0	0.146	4.3	<0.05	0.2	3.9	<0.5	20	<0.2	2.6	0.102	0.2	0.5	79	0.2	72
CAG196810	Sediment	0.012	34.4	0.133	3.8	<0.05	0.1	3.5	<0.5	18	<0.2	2.5	0.087	0.1	0.5	69	<0.1	67
CAG196811	Sediment	0.011	30.1	0.143	2.9	<0.05	<0.1	2.9	<0.5	18	<0.2	2.3	0.068	<0.1	0.4	51	0.2	54
CAG196812	Sediment	0.010	34.6	0.142	3.6	<0.05	<0.1	2.9	<0.5	21	<0.2	2.6	0.059	<0.1	0.8	45	0.6	55

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Project: JP Ross
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CERTIFICATE OF ANALYSIS WHI11000987.2

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
	Unit	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
	MDL	0.5	0.1	0.01	0.5	1	1	0.1	0.01	0.1	0.1	1	0.1	0.01	1	0.01	0.01	1	0.01	1	0.1
CAG196813	Sediment	0.7	<0.1	1.31	3.7	<1	290	<0.1	0.48	0.2	13.1	55	23.9	2.43	5	0.02	0.20	10	0.73	536	1.3
CAG196814	Sediment	1.4	<0.1	1.14	3.6	<1	215	<0.1	0.46	0.2	10.7	47	24.3	2.15	4	<0.01	0.15	10	0.62	369	1.3
CAG196815	Sediment	1.1	<0.1	0.99	2.6	<1	169	<0.1	0.49	<0.1	8.1	39	19.2	1.63	4	0.01	0.12	8	0.50	242	0.8
CAG196816	Sediment	0.8	<0.1	0.85	1.8	<1	130	<0.1	0.62	<0.1	7.8	37	19.5	1.52	3	<0.01	0.10	7	0.42	288	0.7
CAG196817	Sediment	<0.5	<0.1	1.19	2.7	<1	200	<0.1	0.37	<0.1	7.6	51	25.6	2.12	5	0.02	0.16	8	0.58	308	1.0
CAG196818	Sediment	1.3	0.1	1.12	2.8	<1	220	<0.1	0.39	0.1	10.6	41	28.4	1.98	4	0.02	0.14	8	0.53	440	1.0
CAG196819	Sediment	2.6	<0.1	1.33	3.1	<1	280	<0.1	0.43	0.2	12.7	55	30.2	2.33	5	0.02	0.21	11	0.68	503	1.2
CAG196820	Sediment	6.2	<0.1	1.17	3.5	<1	215	<0.1	0.44	<0.1	12.1	49	25.0	2.26	4	0.03	0.17	9	0.64	413	0.9
CAG196821	Sediment	1.3	0.1	1.18	5.1	<1	290	<0.1	0.53	0.2	10.6	45	29.9	2.37	4	0.02	0.20	14	0.61	456	1.1
CAG196822	Sediment	2.9	<0.1	1.15	3.4	<1	208	<0.1	0.43	0.1	11.5	49	25.1	2.17	4	0.02	0.17	9	0.65	403	1.2
CAG196823	Sediment	0.7	0.1	1.15	3.1	<1	231	<0.1	0.53	0.2	11.2	42	23.7	2.01	4	0.05	0.14	11	0.58	392	0.8
CAG196824	Sediment	<0.5	<0.1	1.20	3.4	<1	231	<0.1	0.54	0.1	12.6	50	22.9	2.23	4	0.02	0.18	10	0.66	480	1.4
CAG196825	Sediment	1.6	<0.1	1.10	3.5	1	240	<0.1	0.47	0.2	11.1	43	28.2	1.98	4	0.03	0.14	12	0.57	409	0.9
CAG196826	Sediment	2.2	<0.1	1.28	3.6	1	396	<0.1	0.64	0.2	12.6	51	35.7	2.42	5	0.01	0.37	13	0.79	501	1.0
CAG196827	Sediment	1.4	<0.1	1.17	5.3	1	297	<0.1	0.54	0.1	12.0	50	32.7	2.43	4	0.02	0.24	12	0.70	446	1.3
CAG196828	Sediment	22.3	<0.1	1.03	3.1	<1	89	<0.1	0.29	0.1	6.9	7	5.9	2.02	4	0.13	0.32	17	0.46	334	0.7
CAG196829	Sediment	33.0	<0.1	0.99	4.4	<1	113	0.2	0.37	0.2	7.7	10	10.5	2.02	3	0.11	0.29	12	0.51	362	0.9
CAG196830	Sediment	11.6	<0.1	1.11	2.8	<1	84	<0.1	0.39	<0.1	7.6	6	5.7	2.10	3	0.01	0.34	18	0.51	407	0.4
CAG196831	Sediment	1.6	<0.1	1.01	2.4	<1	108	0.1	0.26	0.1	7.7	9	15.8	1.72	3	0.01	0.33	10	0.51	397	1.2
CAG196832	Sediment	1635	0.1	0.98	2.5	<1	104	0.1	0.28	0.1	5.7	7	8.5	1.83	3	<0.01	0.33	11	0.47	289	1.0
CAG196833	Sediment	1.5	<0.1	0.95	2.3	<1	104	<0.1	0.31	0.1	5.7	8	8.3	1.66	3	0.01	0.31	12	0.45	345	0.9
CAG196834	Sediment	5.9	<0.1	0.95	2.1	<1	104	<0.1	0.27	<0.1	6.9	8	8.2	1.74	3	<0.01	0.40	10	0.50	367	1.0
CAG196835	Sediment	1.6	<0.1	1.05	2.1	<1	113	0.1	0.29	0.1	6.9	8	9.0	1.85	3	0.01	0.37	11	0.53	348	0.8
CAG196836	Sediment	9.2	<0.1	1.29	4.8	<1	189	0.2	0.47	0.4	11.6	12	10.6	2.61	5	0.02	0.21	19	0.45	983	1.4
CAG196837	Sediment	<0.5	<0.1	1.07	4.4	<1	131	0.1	0.41	0.1	7.9	11	10.4	2.33	4	0.01	0.21	13	0.50	473	0.8
CAG196838	Sediment	7.1	<0.1	1.10	4.7	<1	151	0.1	0.47	0.2	7.8	12	11.3	2.26	4	<0.01	0.21	12	0.54	424	0.9
CAG196851	Sediment	0.9	<0.1	1.08	6.1	1	185	<0.1	0.85	0.2	11.0	23	12.6	2.69	4	0.03	0.12	11	0.71	766	0.5
CAG196852	Sediment	<0.5	<0.1	1.01	5.3	2	189	<0.1	0.86	0.2	9.4	23	16.0	2.21	3	0.02	0.09	12	0.64	530	0.5
CAG196853	Sediment	<0.5	<0.1	1.04	3.6	<1	230	<0.1	0.62	<0.1	11.2	47	23.5	2.15	4	0.01	0.17	10	0.66	388	0.7
CAG196854	Sediment	0.7	<0.1	1.09	3.3	<1	232	<0.1	0.69	0.1	11.3	52	24.8	2.28	4	<0.01	0.17	10	0.71	477	0.9

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	Analyte	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Zn
	Unit	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.1	0.001	0.1	0.05	0.1	0.1	0.5	1	0.2	0.1	0.001	0.1	0.1	2	0.1	1
CAG196813	Sediment	0.009	38.7	0.124	4.6	<0.05	0.1	3.2	<0.5	17	<0.2	2.3	0.084	0.1	0.7	62	0.1	69
CAG196814	Sediment	0.009	33.3	0.125	3.9	<0.05	0.1	2.9	0.5	18	<0.2	2.3	0.075	<0.1	0.6	55	0.1	56
CAG196815	Sediment	0.010	29.6	0.125	3.3	<0.05	<0.1	2.4	<0.5	15	<0.2	1.7	0.063	<0.1	0.5	43	0.2	42
CAG196816	Sediment	0.011	26.1	0.200	3.0	<0.05	0.1	2.3	<0.5	21	<0.2	1.8	0.062	<0.1	0.5	38	0.2	36
CAG196817	Sediment	0.014	28.1	0.092	3.4	<0.05	<0.1	3.3	<0.5	12	<0.2	1.5	0.078	<0.1	0.4	63	<0.1	45
CAG196818	Sediment	0.010	31.5	0.082	3.3	<0.05	<0.1	3.0	<0.5	13	<0.2	1.5	0.064	<0.1	0.5	52	<0.1	52
CAG196819	Sediment	0.010	38.0	0.094	4.1	<0.05	<0.1	3.2	0.6	16	<0.2	1.9	0.078	0.1	0.6	58	<0.1	63
CAG196820	Sediment	0.009	38.7	0.112	4.2	<0.05	0.1	3.0	<0.5	16	<0.2	2.0	0.076	<0.1	0.6	55	<0.1	55
CAG196821	Sediment	0.010	39.1	0.146	5.5	<0.05	0.2	3.0	0.6	25	<0.2	2.8	0.078	0.1	0.9	55	<0.1	60
CAG196822	Sediment	0.010	39.5	0.109	3.7	<0.05	0.1	2.8	<0.5	17	<0.2	2.1	0.071	<0.1	0.6	52	<0.1	57
CAG196823	Sediment	0.010	36.5	0.118	3.8	<0.05	<0.1	3.0	<0.5	20	<0.2	2.2	0.067	<0.1	0.9	49	0.2	58
CAG196824	Sediment	0.010	39.0	0.160	6.6	<0.05	<0.1	3.0	<0.5	20	<0.2	2.2	0.074	0.1	0.7	54	0.1	63
CAG196825	Sediment	0.010	34.7	0.123	4.1	<0.05	0.2	3.2	0.6	26	<0.2	2.6	0.083	<0.1	1.0	44	0.2	61
CAG196826	Sediment	0.011	44.5	0.126	4.1	<0.05	0.2	3.6	0.7	40	<0.2	2.9	0.114	0.1	1.2	52	0.2	62
CAG196827	Sediment	0.011	38.6	0.162	5.0	<0.05	0.3	3.5	<0.5	30	<0.2	3.1	0.095	0.1	0.9	56	0.2	66
CAG196828	Sediment	0.007	4.5	0.077	4.6	<0.05	0.2	1.6	<0.5	17	0.3	9.4	0.099	0.1	0.8	41	0.4	46
CAG196829	Sediment	0.009	8.1	0.081	5.4	<0.05	0.3	1.8	0.5	22	0.2	6.9	0.089	0.1	0.8	37	0.2	48
CAG196830	Sediment	0.006	3.9	0.120	3.5	<0.05	0.1	1.8	<0.5	22	<0.2	10.6	0.102	0.1	0.7	38	0.2	47
CAG196831	Sediment	0.006	4.9	0.070	9.9	<0.05	0.1	1.7	<0.5	20	<0.2	4.0	0.093	0.1	0.5	39	0.2	61
CAG196832	Sediment	0.007	4.1	0.076	10.3	<0.05	0.1	1.9	<0.5	21	<0.2	5.5	0.089	0.1	0.7	37	0.2	45
CAG196833	Sediment	0.007	4.4	0.083	9.8	<0.05	0.1	1.8	<0.5	22	<0.2	5.5	0.085	<0.1	0.7	36	0.2	45
CAG196834	Sediment	0.006	4.3	0.075	9.9	<0.05	0.1	1.7	<0.5	20	<0.2	5.4	0.094	0.1	0.6	38	0.2	47
CAG196835	Sediment	0.007	4.3	0.073	9.3	<0.05	0.1	1.8	<0.5	23	<0.2	5.4	0.102	0.1	0.7	38	0.1	50
CAG196836	Sediment	0.010	7.9	0.086	9.7	<0.05	0.2	2.9	<0.5	50	<0.2	6.8	0.094	0.1	1.1	50	0.1	91
CAG196837	Sediment	0.010	7.0	0.093	8.3	<0.05	0.2	2.6	<0.5	34	<0.2	5.8	0.088	<0.1	0.8	45	0.2	56
CAG196838	Sediment	0.012	9.0	0.101	8.2	<0.05	0.3	2.7	<0.5	33	<0.2	5.4	0.088	<0.1	0.8	43	0.2	57
CAG196851	Sediment	0.015	16.7	0.133	5.7	<0.05	0.3	3.0	<0.5	41	<0.2	3.8	0.068	<0.1	0.6	50	0.3	64
CAG196852	Sediment	0.017	18.0	0.106	5.6	<0.05	0.3	2.9	0.6	43	<0.2	3.5	0.066	<0.1	0.7	42	0.4	63
CAG196853	Sediment	0.014	37.8	0.210	3.9	<0.05	0.4	3.3	0.6	29	<0.2	2.5	0.079	<0.1	0.7	47	0.2	58
CAG196854	Sediment	0.015	41.0	0.232	4.8	<0.05	0.2	3.7	<0.5	30	<0.2	2.7	0.083	<0.1	0.7	51	0.2	58

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Suite 410, 700 W. Pender Street
Vancouver BC V6C 1G8 Canada

Project: JP Ross
Report Date: February 21, 2012

CERTIFICATE OF ANALYSIS WHI11000987.2

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
	Unit	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
	MDL	0.5	0.1	0.01	0.5	1	1	0.1	0.01	0.1	0.1	1	0.1	0.01	1	0.01	0.01	1	0.01	1	0.1
CAG196855	Sediment	<0.5	<0.1	1.18	4.1	<1	257	<0.1	0.59	0.1	13.6	55	29.2	2.61	4	<0.01	0.22	10	0.80	498	1.0
CAG196856	Sediment	2.3	<0.1	1.19	3.2	1	236	<0.1	0.51	0.1	10.5	36	26.5	2.55	4	0.03	0.28	10	0.75	317	0.6
CAG196857	Sediment	9.5	<0.1	1.16	3.5	<1	261	<0.1	0.66	0.1	11.4	48	26.2	2.26	4	0.02	0.15	12	0.66	404	0.7
CAG196858	Sediment	4.5	<0.1	1.00	6.2	<1	162	<0.1	0.58	0.1	8.7	14	12.1	2.59	3	0.02	0.19	19	0.48	651	0.9
CAG196859	Sediment	183.3	0.1	1.19	5.1	<1	154	<0.1	0.53	0.1	10.5	9	8.7	3.23	4	0.03	0.37	27	0.52	1281	1.3
CAG196860	Sediment	12.2	<0.1	1.09	8.7	1	198	0.1	0.56	0.1	10.8	18	18.5	2.59	4	0.02	0.18	15	0.53	661	1.0
CAG196861	Sediment	<0.5	<0.1	1.02	5.1	<1	156	<0.1	0.61	0.1	8.7	25	18.0	1.93	3	0.02	0.06	11	0.50	371	0.5
CAG196862	Sediment	<0.5	<0.1	1.34	4.0	<1	121	<0.1	0.68	<0.1	11.2	28	18.2	2.46	4	0.01	0.17	9	0.68	347	0.5
CAG196863	Sediment	1.9	<0.1	1.16	4.4	2	173	<0.1	0.65	0.2	9.0	22	15.2	2.30	4	0.01	0.15	13	0.58	364	0.6
CAG196864	Sediment	4.1	<0.1	1.16	4.1	<1	199	<0.1	0.72	0.2	9.6	20	13.2	2.71	4	<0.01	0.18	11	0.66	437	0.6
CAG196865	Sediment	<0.5	<0.1	1.10	4.3	<1	175	<0.1	0.61	0.1	8.5	20	11.0	2.40	4	0.03	0.16	12	0.58	319	0.6
CAG196866	Sediment	19.3	<0.1	0.86	3.7	<1	145	<0.1	0.64	0.1	6.8	20	9.8	2.16	3	0.02	0.08	11	0.40	239	0.5
CAG196867	Sediment	13.3	<0.1	1.04	4.8	<1	178	<0.1	0.63	0.1	8.0	23	12.6	2.19	4	0.04	0.12	13	0.51	341	0.6
CAG196868	Sediment	1.8	0.1	1.37	5.6	<1	294	<0.1	0.51	0.1	12.9	64	35.2	2.65	5	0.03	0.16	14	0.80	477	1.6
CAG196869	Sediment	<0.5	<0.1	1.14	4.4	<1	223	<0.1	0.58	<0.1	10.2	49	24.6	2.21	4	0.03	0.13	12	0.66	401	1.1
CAG196870	Sediment	1.4	<0.1	1.24	5.0	<1	257	<0.1	0.56	0.2	14.1	53	28.7	2.53	4	0.02	0.16	14	0.71	615	1.1
CAG196871	Sediment	3.3	<0.1	1.03	5.7	<1	251	<0.1	0.52	0.2	13.2	40	26.6	2.36	4	0.02	0.12	12	0.56	667	0.8
CAG196872	Sediment	9.9	<0.1	0.96	5.2	1	225	<0.1	0.50	0.1	7.8	28	19.8	2.00	3	0.03	0.07	13	0.46	281	0.6
CAG196873	Sediment	<0.5	<0.1	0.88	7.4	<1	183	<0.1	0.52	<0.1	7.6	32	17.4	2.07	3	<0.01	0.09	9	0.39	311	0.8
CAG196874	Sediment	0.9	<0.1	0.98	5.9	1	172	<0.1	0.59	0.2	10.1	31	18.2	2.06	3	0.02	0.09	11	0.52	459	0.6
CAG196875	Sediment	<0.5	<0.1	0.90	4.5	1	145	<0.1	0.65	0.1	8.8	31	15.3	1.82	3	<0.01	0.10	10	0.48	508	0.4
CAG196876	Sediment	19.7	<0.1	1.15	7.2	<1	158	<0.1	0.44	<0.1	9.1	13	10.1	2.56	4	0.02	0.22	19	0.50	413	0.6
CAG196877	Sediment	5.3	0.2	1.62	6.8	2	276	0.1	0.69	0.2	11.2	26	22.4	2.81	5	0.03	0.14	20	0.62	478	0.5
CAG196878	Sediment	2.9	0.1	1.49	5.9	1	240	0.1	0.61	0.2	10.5	25	19.4	2.61	4	0.03	0.13	16	0.59	506	0.4
CAG196879	Sediment	23.5	<0.1	0.97	9.1	<1	139	0.1	0.43	<0.1	8.0	13	10.3	2.29	3	0.02	0.16	15	0.37	385	1.0
CAG196880	Sediment	9.7	<0.1	1.09	5.8	1	153	<0.1	0.47	0.1	8.9	18	10.8	2.23	3	0.01	0.12	15	0.40	431	0.6
CAG196881	Sediment	39.3	<0.1	0.94	5.1	<1	131	<0.1	0.35	<0.1	5.8	16	9.2	1.63	3	0.04	0.08	12	0.35	168	1.0
CAG196882	Sediment	8.1	<0.1	1.22	7.1	<1	153	0.1	0.69	0.1	9.7	17	15.4	2.50	4	<0.01	0.21	16	0.56	578	0.7
CAG196883	Sediment	3.1	0.1	1.36	4.9	1	207	0.1	0.77	0.2	10.1	23	18.5	2.30	4	0.03	0.14	17	0.58	441	0.6
CAG196884	Sediment	2.0	<0.1	1.32	5.4	1	202	0.1	0.63	0.3	10.1	23	16.6	2.21	4	0.04	0.10	15	0.56	422	0.6

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Project: JP Ross
Report Date: February 21, 2012

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	Analyte	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Zn
	Unit	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.1	0.001	0.1	0.05	0.1	0.1	0.5	1	0.2	0.1	0.001	0.1	0.1	2	0.1	1
CAG196855	Sediment	0.014	45.7	0.200	5.6	<0.05	0.2	3.6	<0.5	28	<0.2	2.7	0.091	<0.1	0.7	56	<0.1	65
CAG196856	Sediment	0.014	38.8	0.140	4.9	<0.05	1.0	5.0	<0.5	28	<0.2	3.0	0.088	0.1	0.6	50	0.1	58
CAG196857	Sediment	0.014	38.4	0.197	4.2	<0.05	0.2	3.6	<0.5	33	<0.2	3.0	0.091	<0.1	0.9	49	0.3	63
CAG196858	Sediment	0.015	11.1	0.126	6.5	<0.05	0.4	3.0	<0.5	41	<0.2	7.5	0.074	<0.1	1.2	44	0.3	60
CAG196859	Sediment	0.011	7.4	0.123	7.2	<0.05	0.3	3.4	<0.5	46	<0.2	11.7	0.087	0.2	1.6	44	0.1	75
CAG196860	Sediment	0.016	15.0	0.092	8.5	<0.05	0.5	3.2	<0.5	41	<0.2	6.5	0.082	<0.1	1.0	48	0.3	59
CAG196861	Sediment	0.017	17.9	0.120	5.4	<0.05	0.4	3.0	<0.5	37	<0.2	3.2	0.066	<0.1	0.6	43	0.2	49
CAG196862	Sediment	0.024	13.9	0.131	4.4	<0.05	0.2	4.3	<0.5	34	<0.2	3.1	0.093	<0.1	0.7	56	0.2	52
CAG196863	Sediment	0.019	13.6	0.113	5.0	<0.05	0.3	3.7	<0.5	36	<0.2	3.7	0.089	<0.1	0.8	45	0.3	55
CAG196864	Sediment	0.020	11.5	0.167	4.4	<0.05	0.3	4.1	<0.5	32	<0.2	3.8	0.088	<0.1	0.7	45	0.3	51
CAG196865	Sediment	0.020	11.3	0.144	5.1	<0.05	0.2	3.6	<0.5	30	<0.2	3.8	0.095	<0.1	0.8	44	0.6	48
CAG196866	Sediment	0.018	10.7	0.158	4.3	<0.05	0.3	3.0	<0.5	30	<0.2	3.9	0.078	<0.1	0.7	44	0.6	38
CAG196867	Sediment	0.019	13.5	0.139	16.3	<0.05	0.3	3.2	<0.5	32	<0.2	4.2	0.085	<0.1	1.0	43	0.9	48
CAG196868	Sediment	0.012	46.8	0.143	6.3	<0.05	0.2	4.2	0.6	26	<0.2	2.9	0.101	0.1	0.9	66	0.2	65
CAG196869	Sediment	0.012	33.0	0.159	4.9	<0.05	0.2	3.8	<0.5	27	<0.2	2.6	0.089	0.1	0.8	53	0.3	55
CAG196870	Sediment	0.013	37.7	0.176	5.9	<0.05	0.2	3.8	0.5	26	<0.2	2.9	0.104	<0.1	0.8	63	0.2	64
CAG196871	Sediment	0.014	30.4	0.145	5.2	<0.05	0.4	3.5	0.6	27	<0.2	2.8	0.083	<0.1	0.7	56	0.2	58
CAG196872	Sediment	0.018	20.8	0.123	5.2	<0.05	0.5	2.9	<0.5	32	<0.2	3.7	0.071	<0.1	0.7	42	0.5	52
CAG196873	Sediment	0.013	21.6	0.151	4.5	<0.05	0.3	2.4	0.8	19	<0.2	2.6	0.056	<0.1	0.4	45	0.4	42
CAG196874	Sediment	0.014	25.6	0.137	4.5	<0.05	0.3	2.4	<0.5	25	<0.2	2.5	0.057	<0.1	0.5	42	0.4	50
CAG196875	Sediment	0.013	22.2	0.195	4.0	<0.05	0.2	2.4	0.6	23	<0.2	2.6	0.054	<0.1	0.5	38	0.4	44
CAG196876	Sediment	0.011	10.0	0.089	6.0	<0.05	0.3	2.5	<0.5	21	<0.2	7.3	0.069	<0.1	0.8	37	0.3	61
CAG196877	Sediment	0.021	19.7	0.079	8.8	<0.05	0.4	4.0	<0.5	37	<0.2	5.5	0.083	<0.1	1.4	51	0.2	76
CAG196878	Sediment	0.019	19.7	0.072	8.0	<0.05	0.4	3.6	0.7	34	<0.2	4.7	0.076	<0.1	1.3	48	0.2	75
CAG196879	Sediment	0.011	9.7	0.096	5.9	<0.05	0.4	2.2	0.5	21	<0.2	6.6	0.065	<0.1	0.9	41	0.4	50
CAG196880	Sediment	0.014	12.9	0.097	5.7	<0.05	0.3	2.3	<0.5	26	<0.2	5.2	0.065	<0.1	1.1	39	0.5	54
CAG196881	Sediment	0.011	10.6	0.080	5.7	<0.05	0.3	2.3	0.5	18	<0.2	3.5	0.055	<0.1	0.6	37	0.6	47
CAG196882	Sediment	0.016	13.9	0.082	6.1	<0.05	0.3	2.5	0.5	49	<0.2	5.7	0.073	0.1	1.4	41	0.3	61
CAG196883	Sediment	0.021	18.9	0.077	7.0	<0.05	0.4	3.2	0.8	47	<0.2	4.7	0.076	<0.1	2.5	42	0.2	68
CAG196884	Sediment	0.020	18.7	0.073	6.5	<0.05	0.3	3.0	1.0	38	<0.2	3.8	0.075	<0.1	1.8	43	0.2	70

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
	Unit	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
	MDL	0.5	0.1	0.01	0.5	1	1	0.1	0.01	0.1	0.1	1	0.1	0.01	1	0.01	0.01	1	0.01	1	0.1
CAG196885	Sediment	0.7	<0.1	1.28	1.9	<1	161	0.2	0.43	0.1	9.7	8	10.5	2.40	5	<0.01	0.61	18	0.64	678	1.1
CAG196886	Sediment	4.1	<0.1	1.14	4.7	1	211	<0.1	0.67	0.1	9.1	21	15.3	2.30	4	<0.01	0.18	12	0.62	345	0.4
CAG196887	Sediment	1.5	<0.1	1.12	4.3	1	181	<0.1	0.53	<0.1	10.1	44	23.3	1.89	4	0.01	0.07	9	0.63	275	0.7
CAG196888	Sediment	<0.5	<0.1	1.24	5.3	<1	197	<0.1	0.73	<0.1	14.2	49	25.6	2.43	4	0.01	0.15	10	0.76	457	1.0
CAG196889	Sediment	1.4	<0.1	1.17	5.2	<1	237	<0.1	0.74	0.2	11.2	35	23.4	2.10	4	0.01	0.10	13	0.61	402	0.8
CAG196890	Sediment	1.9	<0.1	1.03	4.3	<1	173	<0.1	0.68	0.1	10.2	35	15.9	2.09	3	0.01	0.10	11	0.55	351	0.6
CAG196891	Sediment	5.8	<0.1	0.97	4.5	2	157	<0.1	0.77	0.2	10.3	40	15.6	2.23	3	0.01	0.11	10	0.55	379	0.8
CAG196892	Sediment	1.0	<0.1	1.08	4.8	<1	189	<0.1	0.78	0.2	9.7	39	20.1	1.98	3	0.02	0.10	9	0.76	378	0.5
CAG196893	Sediment	60.6	<0.1	1.24	5.8	<1	207	<0.1	0.66	0.1	12.2	48	24.2	2.45	4	0.01	0.14	9	0.68	459	1.1
CAG196894	Sediment	1.7	<0.1	1.11	3.6	<1	144	<0.1	0.55	0.1	10.6	45	20.8	1.92	4	<0.01	0.11	8	0.53	388	0.9
CAG196895	Sediment	2.0	0.2	1.46	4.3	1	365	<0.1	0.53	0.3	13.0	59	42.1	2.51	5	0.01	0.19	13	0.71	565	1.6
CAG196896	Sediment	5.8	<0.1	0.99	3.5	<1	127	<0.1	0.41	<0.1	9.5	42	18.6	1.65	3	0.01	0.09	6	0.52	333	0.6
CAG196897	Sediment	1.0	<0.1	1.02	4.1	1	171	<0.1	0.66	0.1	8.9	33	15.9	1.96	3	0.01	0.09	11	0.56	275	0.6
CAG196898	Sediment	<0.5	<0.1	0.88	4.3	<1	187	<0.1	0.78	<0.1	8.6	36	15.1	1.88	3	0.01	0.08	9	0.59	307	0.7
CAG196899	Sediment	<0.5	<0.1	0.86	6.5	<1	248	<0.1	1.18	0.2	8.1	28	18.5	1.98	3	0.02	0.08	11	0.64	290	0.7
CAG196900	Sediment	<0.5	<0.1	1.07	2.5	<1	107	<0.1	0.28	0.1	5.8	8	7.7	2.05	4	<0.01	0.36	10	0.44	279	1.3

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CERTIFICATE OF ANALYSIS WHI11000987.2

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Zn
	Unit	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.1	0.001	0.1	0.05	0.1	0.1	0.5	1	0.2	0.1	0.001	0.1	0.1	2	0.1	1
CAG196885	Sediment	0.008	6.8	0.069	20.2	<0.05	0.1	3.5	<0.5	28	<0.2	10.3	0.081	0.2	1.4	45	0.2	64
CAG196886	Sediment	0.017	16.4	0.084	4.9	<0.05	0.3	2.6	0.6	35	<0.2	4.2	0.074	<0.1	1.1	43	0.3	58
CAG196887	Sediment	0.015	33.6	0.105	4.2	<0.05	0.1	2.7	<0.5	17	<0.2	1.5	0.064	<0.1	0.6	41	0.2	51
CAG196888	Sediment	0.016	37.6	0.177	3.9	<0.05	0.1	3.1	<0.5	22	<0.2	2.2	0.074	<0.1	0.7	52	<0.1	57
CAG196889	Sediment	0.014	28.4	0.126	4.7	<0.05	0.2	2.9	0.8	30	<0.2	2.7	0.069	<0.1	0.7	46	0.4	57
CAG196890	Sediment	0.015	23.8	0.171	3.8	<0.05	0.2	2.6	0.7	25	<0.2	2.9	0.070	<0.1	0.6	47	0.4	50
CAG196891	Sediment	0.015	24.8	0.228	4.1	<0.05	0.1	2.7	0.8	25	<0.2	2.8	0.072	<0.1	0.6	55	0.4	49
CAG196892	Sediment	0.016	27.2	0.138	3.8	<0.05	0.2	2.9	<0.5	21	<0.2	2.0	0.065	<0.1	0.5	43	0.2	46
CAG196893	Sediment	0.015	30.5	0.159	4.1	<0.05	0.2	3.3	0.6	19	<0.2	2.1	0.081	<0.1	0.5	56	0.2	61
CAG196894	Sediment	0.017	27.0	0.123	3.7	<0.05	0.1	2.8	<0.5	14	<0.2	1.5	0.077	<0.1	0.5	49	0.4	48
CAG196895	Sediment	0.016	43.0	0.093	5.1	<0.05	0.2	3.8	<0.5	22	<0.2	2.3	0.094	0.1	0.7	62	0.1	60
CAG196896	Sediment	0.016	24.2	0.107	3.8	<0.05	0.1	2.4	<0.5	12	<0.2	1.3	0.068	<0.1	0.3	44	0.1	38
CAG196897	Sediment	0.016	23.3	0.131	3.9	<0.05	0.2	2.5	<0.5	24	<0.2	2.9	0.066	<0.1	0.5	44	0.5	49
CAG196898	Sediment	0.017	22.6	0.168	4.0	<0.05	0.2	2.5	0.9	24	<0.2	2.5	0.064	<0.1	0.5	44	0.3	42
CAG196899	Sediment	0.016	22.7	0.111	5.2	<0.05	0.4	2.3	<0.5	38	<0.2	2.9	0.056	<0.1	0.6	41	0.4	53
CAG196900	Sediment	0.006	4.1	0.073	10.6	<0.05	<0.1	1.7	<0.5	17	<0.2	5.6	0.079	0.1	0.6	39	<0.1	45

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Suite 410, 700 W. Pender Street
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Project: JP Ross
Report Date: February 21, 2012

QUALITY CONTROL REPORT WHI11000987.2

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Au	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
	Unit	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
	MDL	0.5	0.1	0.01	0.5	1	1	0.1	0.01	0.1	0.1	1	0.1	0.01	1	0.01	0.01	1	0.01	1	0.1
Pulp Duplicates																					
CAG196542	Sediment	1.7	0.1	1.17	4.4	2	252	<0.1	0.28	0.1	6.5	34	17.1	1.96	4	0.04	0.16	11	0.44	254	1.1
REP CAG196542	QC	1.7	0.1	1.22	4.7	2	247	<0.1	0.28	<0.1	6.2	33	16.8	1.89	4	0.04	0.16	11	0.42	247	1.1
CAG196787	Sediment	2.0	<0.1	1.33	7.7	2	182	<0.1	0.77	0.1	13.1	22	10.5	3.07	5	0.04	0.17	12	0.83	685	0.6
REP CAG196787	QC	2.1	<0.1	1.35	7.4	1	175	<0.1	0.73	0.1	13.2	21	10.8	2.99	4	0.05	0.15	11	0.80	665	0.6
CAG196790	Sediment	1.7	<0.1	1.38	6.7	<1	147	<0.1	0.75	0.2	14.1	27	10.8	3.11	4	0.02	0.22	7	0.87	540	0.6
REP CAG196790	QC	3.2	<0.1	1.25	6.6	<1	136	<0.1	0.69	0.2	13.1	25	10.0	2.93	4	<0.01	0.21	6	0.81	504	0.7
CAG196823	Sediment	0.7	0.1	1.15	3.1	<1	231	<0.1	0.53	0.2	11.2	42	23.7	2.01	4	0.05	0.14	11	0.58	392	0.8
REP CAG196823	QC	11.1	0.1	1.22	3.0	<1	227	<0.1	0.57	0.2	11.8	43	24.3	2.00	4	0.02	0.15	11	0.59	410	0.8
CAG196836	Sediment	9.2	<0.1	1.29	4.8	<1	189	0.2	0.47	0.4	11.6	12	10.6	2.61	5	0.02	0.21	19	0.45	983	1.4
REP G196836	QC	<0.5	<0.1	1.21	4.7	<1	180	0.2	0.44	0.4	11.1	12	9.8	2.53	5	0.02	0.20	18	0.46	945	1.4
CAG196866	Sediment	19.3	<0.1	0.86	3.7	<1	145	<0.1	0.64	0.1	6.8	20	9.8	2.16	3	0.02	0.08	11	0.40	239	0.5
REP CAG196866	QC	<0.5	<0.1	0.84	3.6	<1	144	<0.1	0.62	<0.1	6.8	20	9.8	2.03	3	<0.01	0.08	11	0.42	236	0.5
CAG196874	Sediment	0.9	<0.1	0.98	5.9	1	172	<0.1	0.59	0.2	10.1	31	18.2	2.06	3	0.02	0.09	11	0.52	459	0.6
REP CAG196874	QC	<0.5	<0.1	1.00	5.9	1	167	<0.1	0.61	0.1	9.8	33	18.9	2.15	3	0.02	0.09	10	0.53	469	0.6
CAG196889	Sediment	1.4	<0.1	1.17	5.2	<1	237	<0.1	0.74	0.2	11.2	35	23.4	2.10	4	0.01	0.10	13	0.61	402	0.8
REP CAG196889	QC	4.2	<0.1	1.20	4.9	1	238	<0.1	0.80	0.1	12.7	39	23.8	2.27	4	0.02	0.11	14	0.63	434	0.8
Reference Materials																					
STD DS8	Standard	129.8	1.9	0.90	27.3	2	279	7.8	0.71	2.6	8.0	120	117.2	2.57	5	0.21	0.42	16	0.63	626	13.2
STD DS8	Standard	111.5	1.6	0.84	23.3	2	254	5.7	0.66	2.2	7.0	102	101.1	2.35	4	0.18	0.36	14	0.57	585	11.8
STD DS8	Standard	113.1	1.8	0.90	24.2	3	271	6.2	0.69	2.2	7.4	122	107.4	2.50	5	0.23	0.43	15	0.60	582	13.9
STD DS8	Standard	113.0	1.9	0.96	27.8	3	284	6.5	0.74	2.4	7.6	125	114.1	2.68	5	0.21	0.45	16	0.66	673	13.7
STD DS8	Standard	124.3	1.8	0.90	24.4	3	268	7.4	0.69	2.4	7.6	118	124.0	2.44	5	0.18	0.41	14	0.62	611	12.9
STD DS8 Expected		107	1.69	0.93	26	2.6	279	6.67	0.7	2.38	7.5	115	110	2.46	4.7	0.192	0.41	14.6	0.6045	615	13.44
BLK	Blank	<0.5	<0.1	<0.01	<0.5	<1	<1	<0.1	<0.01	<0.1	<0.1	<1	<0.1	<0.01	<1	<0.01	<0.01	<1	<0.01	<1	<0.1
BLK	Blank	<0.5	<0.1	<0.01	<0.5	<1	<1	<0.1	<0.01	<0.1	<0.1	<1	<0.1	<0.01	<1	<0.01	<0.01	<1	<0.01	<1	<0.1
BLK	Blank	<0.5	<0.1	<0.01	<0.5	<1	<1	<0.1	<0.01	<0.1	<0.1	<1	<0.1	<0.01	<1	<0.01	<0.01	<1	<0.01	<1	<0.1
BLK	Blank	<0.5	<0.1	<0.01	<0.5	<1	<1	<0.1	<0.01	<0.1	<0.1	<1	<0.1	<0.01	<1	<0.01	<0.01	<1	<0.01	<1	<0.1
BLK	Blank	<0.5	<0.1	<0.01	<0.5	<1	<1	<0.1	<0.01	<0.1	<0.1	<1	<0.1	<0.01	<1	<0.01	<0.01	<1	<0.01	<1	<0.1

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	Analyte	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Zn
	Unit	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.1	0.001	0.1	0.05	0.1	0.1	0.5	1	0.2	0.1	0.001	0.1	0.1	2	0.1	1
Pulp Duplicates																		
CAG196542	Sediment	0.006	25.7	0.096	4.9	0.06	0.2	2.2	<0.5	13	<0.2	1.9	0.074	0.1	0.7	40	<0.1	48
REP CAG196542	QC	0.006	23.3	0.097	4.7	0.06	0.2	2.2	<0.5	14	<0.2	2.0	0.078	0.1	0.7	41	<0.1	48
CAG196787	Sediment	0.014	15.3	0.101	5.8	0.09	0.3	3.0	<0.5	24	<0.2	4.3	0.067	<0.1	0.6	53	0.3	66
REP CAG196787	QC	0.014	15.0	0.101	5.6	0.07	0.3	2.9	<0.5	23	<0.2	4.3	0.066	<0.1	0.6	50	0.2	68
CAG196790	Sediment	0.014	16.3	0.097	5.1	<0.05	0.2	2.6	<0.5	35	<0.2	2.5	0.064	<0.1	0.4	57	0.1	57
REP CAG196790	QC	0.013	15.4	0.091	4.8	<0.05	0.2	2.4	<0.5	33	<0.2	2.3	0.056	<0.1	0.4	52	0.1	54
CAG196823	Sediment	0.010	36.5	0.118	3.8	<0.05	<0.1	3.0	<0.5	20	<0.2	2.2	0.067	<0.1	0.9	49	0.2	58
REP CAG196823	QC	0.011	39.2	0.123	4.0	<0.05	0.1	3.1	<0.5	21	<0.2	2.3	0.070	<0.1	1.0	48	0.2	59
CAG196836	Sediment	0.010	7.9	0.086	9.7	<0.05	0.2	2.9	<0.5	50	<0.2	6.8	0.094	0.1	1.1	50	0.1	91
REP G196836	QC	0.010	7.5	0.075	9.3	<0.05	0.2	2.9	<0.5	46	<0.2	6.9	0.088	0.1	1.1	49	0.1	87
CAG196866	Sediment	0.018	10.7	0.158	4.3	<0.05	0.3	3.0	<0.5	30	<0.2	3.9	0.078	<0.1	0.7	44	0.6	38
REP CAG196866	QC	0.019	10.4	0.154	4.4	<0.05	0.2	2.9	<0.5	30	<0.2	3.8	0.077	<0.1	0.7	42	0.7	36
CAG196874	Sediment	0.014	25.6	0.137	4.5	<0.05	0.3	2.4	<0.5	25	<0.2	2.5	0.057	<0.1	0.5	42	0.4	50
REP CAG196874	QC	0.014	25.3	0.142	4.7	<0.05	0.3	2.7	0.5	25	<0.2	2.7	0.059	<0.1	0.6	44	0.2	52
CAG196889	Sediment	0.014	28.4	0.126	4.7	<0.05	0.2	2.9	0.8	30	<0.2	2.7	0.069	<0.1	0.7	46	0.4	57
REP CAG196889	QC	0.015	31.2	0.121	4.7	<0.05	0.2	3.0	1.0	33	<0.2	2.7	0.074	<0.1	0.8	48	0.3	61
Reference Materials																		
STD DS8	Standard	0.084	38.6	0.093	127.2	0.18	6.5	2.5	6.0	76	5.3	7.6	0.135	5.5	3.1	44	3.0	339
STD DS8	Standard	0.079	34.3	0.072	114.2	0.11	4.1	2.0	4.0	53	5.0	6.1	0.096	5.0	2.5	40	3.0	284
STD DS8	Standard	0.080	38.4	0.075	125.6	0.28	5.1	2.0	5.1	61	4.7	6.5	0.113	5.3	2.7	41	3.0	314
STD DS8	Standard	0.091	39.5	0.087	127.5	0.17	5.1	2.4	5.9	65	5.4	6.6	0.125	5.7	2.6	45	3.2	332
STD DS8	Standard	0.081	39.6	0.079	121.4	0.17	5.7	2.0	4.7	65	5.0	7.1	0.120	5.4	2.8	42	3.1	325
STD DS8 Expected		0.0883	38.1	0.08	123	0.1679	5.7	2.3	5.23	67.7	5	6.89	0.113	5.4	2.8	41.1	3	312
BLK	Blank	<0.001	<0.1	<0.001	<0.1	<0.05	<0.1	<0.1	<0.5	<1	<0.2	<0.1	<0.001	<0.1	<0.1	<2	<0.1	<1
BLK	Blank	<0.001	<0.1	<0.001	<0.1	<0.05	<0.1	<0.1	<0.5	<1	<0.2	<0.1	<0.001	<0.1	<0.1	<2	<0.1	<1
BLK	Blank	<0.001	<0.1	<0.001	<0.1	<0.05	<0.1	<0.1	<0.5	<1	<0.2	<0.1	<0.001	<0.1	<0.1	<2	<0.1	<1
BLK	Blank	<0.001	<0.1	<0.001	<0.1	<0.05	<0.1	<0.1	<0.5	<1	<0.2	<0.1	<0.001	<0.1	<0.1	<2	<0.1	<1
BLK	Blank	<0.001	<0.1	<0.001	<0.1	<0.05	<0.1	<0.1	<0.5	<1	<0.2	<0.1	<0.001	<0.1	<0.1	<2	<0.1	<1

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